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NEWS	2	Feb 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 26	Engineering Information Encompass files have new names
NEWS	4	Feb 26	TOXLINE no longer being updated
NEWS	5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS	7	May 07	OGENE Reload
NEWS	8	Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS	9	JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS	10	Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS	11	Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS	12	Aug 23	Adis Newsletters (ADISNEWS) now available on STN
NEWS	13	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	14	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	15	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	16	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	17	Oct 22	Over 1 million reactions added to CASREACT
NEWS	18	Oct 22	OGENE GETSIM has been improved
NEWS	19	Oct 29	AAASD no longer available
NEWS	20	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	21	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	22	Nov 29	COPPERLIT now available on STN
NEWS	23	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS	24	Nov 30	Files VETU and VETB to have open access
NEWS EXPRESS		August 15	CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
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E2	14	BENVENISTE IRENE/AU
E3	394 -->	BENVENISTE J/AU
E4	15	BENVENISTE JACQUES/AU
E5	2	BENVENISTE JACQUES/AU
E6	15	BENVENISTE K/AU
E7	1	BENVENISTE K B AU
E8	1	BENVENISTE K B P/AU
E9	3	BENVENISTE L/AU
E10	1	BENVENISTE L M AU
E11	1	BENVENISTE LEVHOVITZ PATRICIA/AU
E12	23	BENVENISTE M/AU
E13	2	BENVENISTE M J AU
E14	9	BENVENISTE MORRIS/AU
E15	1	BENVENISTE N/AU
E16	17	BENVENISTE O/AU
E17	15	BENVENISTE OLIVIER/AU
E18	114	BENVENISTE P/AU
E19	7	BENVENISTE PATRICIA/AU
E20	1	BENVENISTE PAUL/AU
E21	19	BENVENISTE PIERRE/AU
E22	92	BENVENISTE R/AU
E23	106	BENVENISTE R E/AU
E24	3	BENVENISTE R J/AU
E25	3	BENVENISTE RAOUL/AU

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      394 "BENVENISTE J"/AU
11699094 PY<=1998
      7033 ELECTROMAGNETIC
      14 ELECTROMAGNETICS
      7042 ELECTROMAGNETIC
          (ELECTROMAGNETIC OR ELECTROMAGNETICS)
166134 SIGNAL
      14444 SIGNALS
      11447 SIGNAL
          (SIGNAL OR SIGNALS)
      44 ELECTROMAGNETIC SIGNAL
          ELECTROMAGNETIC W SIGNAL
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=> DIS 11 1 IBIB AMS
 THE ESTIMATED COST FOR THIS REQUEST IS 1.91 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? Y N:Y

11 ANSWER 1 Y F 1 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1448:818661 BIOSIS
 DOCUMENT NUMBER: PREV199348100146
 TITLE: Molecular signaling at high dilution or by means of
 electronic circuitry.
 AUTHOR(S): Al'ass, J.; Litime, M. H.; Attias, E.; Benveniste,
 J.
 CORPORATE SOURCE: INSERM U 300, 32 rue Carnots, 92143 Clamart France
 SOURCE: Journal of Immunology, 1993 Vol. 150, No. 3 PART 2, pp.
 146A.
 Meeting Info.: Joint Meeting of the American Association
 of Immunologists and the Clinical Immunology Society Denver,
 Colorado, USA May 21-25, 1993
 ISSN: 0022-1767.
 DOCUMENT TYPE: Conference
 LANGUAGE: English

=> FIL STNGUIDE		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.49	4.64

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FULL ESTIMATED COST	0.00	4.64

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 FROM JANUARY 1969 TO DATE.

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 E1 17 BENVENISTE J MAY
 E2 14 BENVENISTE J MAY
 E3 14 --> BENVENISTE J MAY
 E4 14 BENVENISTE J MAY
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 E6 14 BENVENISTE J MAY

E1	1	BENVENISTE N E AU
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E3	3	BENVENISTE L AU
E17	1	BENVENISTE L M AU
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E13	3	BENVENISTE N L AU
E14	4	BENVENISTE NGRIS AU
E15	1	BENVENISTE N AU
E16	1	BENVENISTE O AU
E17	113	BENVENISTE OLIVIER AU
E18	114	BENVENISTE R AU
E19	1	BENVENISTE PATRICIA AU
E20	1	BENVENISTE PAUL AU
E21	19	BENVENISTE PIERRE AU
E22	92	BENVENISTE R AU
E23	106	BENVENISTE R E AU
E24	3	BENVENISTE R O AU
E25	3	BENVENISTE RAOUL AU

= S (E4)

L1 15 ("BENVENISTE JACQUES"/AU)

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= DIS L2 1- IBIB

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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS

ACCESSION NUMBER: 1997:126966 BIOSIS

DOCUMENT NUMBER: PREV199799418679

TITLE: Presence of Paf-acether in human blood after thin-layer chromatography, but not after high-performance liquid chromatography purification.

AUTHOR(S): Izzo, Angelo A. (1); **Benveniste, Jacques**

CORPORATE SOURCE: (1) Dep. Exp. Pharmacol., University Naples "Federico II", via D. Montesano 49, 80131 Naples Italy

SOURCE: Journal of Pharmacological and Toxicological Methods, (1996) Vol. 36, No. 4, pp. 219-221.
ISSN: 1056-8719.

DOCUMENT TYPE: Article

LANGUAGE: English

L2 ANSWER 2 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS

ACCESSION NUMBER: 1996:369931 BIOSIS

DOCUMENT NUMBER: PREV199699092287

TITLE: Biochemical and cellular effects of heparin-protamine injection in rabbits are partially inhibited by a PAF-acether receptor antagonist.

AUTHOR(S): Aissa, Jamal I.; Nathan, Nathalie; Arnoux, Bernard; **Benveniste, Jacques**

CORPORATE SOURCE: (1) INSERM U. 277, 3. Rue des Carmes, 63140 Clermont France

SOURCE: European Journal of Pharmacology, 1996 Vol. 321, No. 1-2,
pp. 103-107.

ISSN: 0167-6369.

DOCUMENT TYPE: Article
LANGUAGE: English

L1 ANSWER 3 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:111000 BIOSIS
DOCUMENT NUMBER: PREV199698676621
TITLE: Modulation of human neutrophil activation by 'electronic' phorbol myristate acetate (PMA).
AUTHOR(S): Thomas, Vol One (1); Litime, Hedi; **Benveniste, Jacques**
CORPORATE SOURCE: (1) CNRS URA 1442, 60206 Compiègne France
SOURCE: FASEB Journal, (1996) Vol. 10, No. 6, pp. A1479.
Meeting Info.: Joint Meeting of the American Society for Biochemistry and Molecular Biology, the American Society for Investigative Pathology and the American Association of Immunologists New Orleans, Louisiana, USA June 2-6, 1996
ISSN: 0892-6633.
DOCUMENT TYPE: Conference
LANGUAGE: English

L2 ANSWER 4 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:104466 BIOSIS
DOCUMENT NUMBER: PREV199698676621
TITLE: Intraluminal excretion of PAF, LysoPAF, and acetylhydrolase in patients with ulcerative colitis.
AUTHOR(S): Guimbaud, Rosine; Izzo, Angelo; Martinolle, Jean Pierre; Viden, Nicole; Couturier, Daniel; **Benveniste, Jacques**; Chaussade, Stanislas (1)
CORPORATE SOURCE: (1) Service d'Hepato-gastroenterologie, Hopital Cochin, 27 rue du Faubourg Saint-Jacques, 75014 Paris France
SOURCE: Digestive Diseases and Sciences, (1995) Vol. 40, No. 12, pp. 2635-2640.
ISSN: 0163-2116.
DOCUMENT TYPE: Article
LANGUAGE: English

L1 ANSWER 5 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:387557 BIOSIS
DOCUMENT NUMBER: PREV199598371857
TITLE: Human umbilical vein endothelial cells: Specific binding of platelet-activating factor and cytosolic calcium flux.
AUTHOR(S): Kerth, Ruth-Maria (1); Hirafuji, Masahiko; **Benveniste, Jacques**; Russo-Marie, Francoise
CORPORATE SOURCE: (1) Forschung Allgemeinmed. FIDA, Palestrinastr. 7A, D-80639 Munich Germany
SOURCE: Biochemical Pharmacology, (1995) Vol. 49, No. 12, pp. 1793-1799.
ISSN: 0006-2952.
DOCUMENT TYPE: Article
LANGUAGE: English

L1 ANSWER 6 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:349414 BIOSIS
DOCUMENT NUMBER: PREV199598371857
TITLE: Voltage-dependent K⁺ channels in human basophils: do they exist?
AUTHOR(S): Bernais, Francis (1); Kurita, Naoko; **Benveniste, Jacques**

CORPORATE SOURCE: 1 INSERM U311, Salle de Malin, Hop. Saint-Louis, 1 Ave.
Claude Vellefaux, 75111 Paris France
SOURCE: Immunology Letters, 1991 Vol. 48, No. 1-2, pp. 41-43.
ISSN: 0168-2478.
DOCUMENT TYPE: Article
LANGUAGE: English

L1 ANSWER 7 OF 15 BIOSIS COPYRIGHT 1991 BIOSIS
ACCESSION NUMBER: 1995:193091 BIOSIS
DOCUMENT NUMBER: PREV1995980073391
TITLE: Direct transmission to cells of a molecular signal
phorbol

AUTHOR(S): myristate acetate, PMA, via an electronic device.
Thomas, Yolene (1); Schiff, Michel; Litime, M. Hedi (1);
Belkadi, Laurent (1); **Benveniste, Jacques (1)**
CORPORATE SOURCE: (1) INSERM U 200, 32 rue des Carnets, 92140 Clamart France
SOURCE: FASEB Journal, (1995) Vol. 9, No. 3, pp. A227.
Meeting Info.: Experimental Biology 95, Part 1 Atlanta,
Georgia, USA April 9-13, 1995
ISSN: 0892-6638.
DOCUMENT TYPE: Conference
LANGUAGE: English

L1 ANSWER 8 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:3849 BIOSIS
DOCUMENT NUMBER: PREV199598018149
TITLE: Correlations between Paf-acether (PAF) and tumor necrosis
factor (TNF) in active rheumatoid arthritis (RA).
AUTHOR(S): Hilliquin, Pascal (1); Arnoux, Bernard; **Benveniste,**
Jacques; Menkes, Charles-Joel (1)
CORPORATE SOURCE: (1) Serv. Rhumatol. A, Hop. Cochin, Paris 2 France
SOURCE: Arthritis & Rheumatism, (1994) Vol. 37, No. 9 SUPPL., pp.
S193.
Meeting Info.: 58th National Scientific Meeting of the
American College of Rheumatology and the 29th National
Scientific Meeting of the Association of Rheumatology
Health Professionals Minneapolis, Minnesota, USA October
23-27, 1994
ISSN: 0004-3591.
DOCUMENT TYPE: Conference
LANGUAGE: English

L2 ANSWER 9 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1994:279112 BIOSIS
DOCUMENT NUMBER: PREV199497292112
TITLE: Modulation of stress proteins by Cd-2+ in a human T cell
line.
AUTHOR(S): Pellegrini, Olivier; Davenas, Elisabeth; Morin, Laurence;
Tsangaris, George T.; **Benveniste, Jacques;**
Manual, Yves; Thomas, Yolene (1)
CORPORATE SOURCE: (1) Inst. Natl. Sante Recherche Med. U200, 32 rue Carnets,
92140 Clamart France
SOURCE: European Journal of Pharmacology Environmental Toxicology
and Pharmacology Section, (1994) Vol. 3, No. 2-3, pp.
221-224.
ISSN: 0926-6410.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 10 OF 15 BIOSIS COPYRIGHT 1991 BIOSIS
ACCESSION NUMBER: 1994:279112 BIOSIS

DOCUMENT NUMBER: PREV199404000001
 TITLE: Cadmium induces apoptosis in a human T cell line.
 AUTHOR(S): El Azzouzi, Bouchra; Tsangaris, George T.; Pellegrini, Olivier; Manuel, Yves; **Benveniste, Jacques**; Thomas, Yolene
 CORPORATE SOURCE: 1 Inst. National Sante, Recherche Med., Unite 200, 32 rue des Carnets, 92140 Clamart France
 SOURCE: Toxicology, (1994) Vol. 88, No. 1-3, pp. 127-138. ISSN: 0304-418X.
 DOCUMENT TYPE: Article
 LANGUAGE: English

11 ANSWER 11 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1993:488111 BIOSIS
 DOCUMENT NUMBER: PREV199396118711
 TITLE: The effects of zinc on guinea pig isolated heart preparations.
 AUTHOR(S): Kalfakakou, Vicky P. (1); Evangelou, Angelos M.; **Benveniste, Jacques**; Arnoux, Bernard
 CORPORATE SOURCE: (1) Lab. Experimental Physiol., Fac. Med., Univ. Ioannina, Ioannina 45110 Greece
 SOURCE: Biological Trace Element Research, (1993) Vol. 38, No. 3, pp. 289-299. ISSN: 0163-4984.
 DOCUMENT TYPE: Article
 LANGUAGE: English

12 ANSWER 12 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1993:225267 BIOSIS
 DOCUMENT NUMBER: PREV199395116442
 TITLE: Human platelets release a paf-acether: Acetylhydrolase similar to that in plasma.
 AUTHOR(S): Morth, Ruth; Bidault, Jocelyne; Palmantier, Remi; **Benveniste, Jacques** (1); Ninio, Ewa
 CORPORATE SOURCE: (1) INSERM U200, 32 rue des Carnets, 92140 Clamart France
 SOURCE: Lipids, (1993) Vol. 28, No. 3, pp. 193-199. ISSN: 0024-4201.
 DOCUMENT TYPE: Article
 LANGUAGE: English

13 ANSWER 13 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1993:182962 BIOSIS
 DOCUMENT NUMBER: PREV199395093412
 TITLE: Immunoregulatory functions of PAF-acether: IX. Modulation of apoptosis in an immature T cell line.
 AUTHOR(S): El Azzouzi, Bouchra; Jurgens, Peter; **Benveniste, Jacques**; Thomas, Yolene
 CORPORATE SOURCE: Inst. National Sante Recherche Med. U 200, 32 rue des Carnets, 92140 Clamart France
 SOURCE: Biochemical and Biophysical Research Communications, (1993) Vol. 190, No. 2, pp. 320-324. ISSN: 0006-291X.
 DOCUMENT TYPE: Article
 LANGUAGE: English

14 ANSWER 14 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1993:144000 BIOSIS
 DOCUMENT NUMBER: PREV199395093412
 TITLE: Presence of PAF-acether in stool of patients with Crohn's disease.
 SOURCE:

[illegible]

12 ANSWER 15 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1993:74759 BIOSIS
DOCUMENT NUMBER: BREV199395039289
TITLE: Regulation of FAF-acether receptor expression in human B cells.
AUTHOR(S): Nguer, Cheikh Momar; Pellegrini, Olivier; Galanaud, Pierre;
Benveniste, Jacques; Thomas, Yolene; Richard, Yolande (1)
CORPORATE SOURCE: (1) INSERM U 131, 32 rue des Carnets, 92140 Clamart France
SOURCE: Journal of Immunology, (1992) Vol. 149, No. 8, pp. 2742-2748.
ISSN: 0022-1767.
DOCUMENT TYPE: Article
LANGUAGE: English

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.66	34.99

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FILE MANIPULATOR COST	1.00	34.99

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(continued)

11. The following table shows the number of people who have been convicted of a crime in the United States since 1970, by race and sex. The data are from the U.S. Department of Justice, Bureau of the Census, and the U.S. Department of Education, Office of Education Statistics.

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L1 ANSWER 1 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS

ACCESSION NUMBER: 1997:126966 BIOSIS

DOCUMENT NUMBER: PREV1997090418679

TITLE: Presence of Paf-acether in human blood after thin-layer chromatography, but not after high-performance liquid chromatography purification.

AUTHOR(S): Imbo, Angelo A. 1 ; Benveniste, Jacques

CORPORATE SOURCE: (1) Dep. Exp. Pharmacol., University Naples "Federico II", via D. Montesano 49, 80131 Naples Italy

SOURCE: Journal of Pharmacological and Toxicological Methods, (1996) Vol. 36, No. 4, pp. 219-221.
ISSN: 1056-8719.

DOCUMENT TYPE: Article

LANGUAGE: English

AB After HPLC purification of human blood extracts, paf-acether (paf) was found exclusively as a lipoprotein-bound compound (lipopaf), whereas free-paf was absent. When the same samples (or lipopaf recovered from HPLC) were purified by TLC, both free-paf and lipopaf were detected. The free-paf detected in blood samples could thus result from lipopaf dissociation during TLC purification.

L2 ANSWER 2 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS

ACCESSION NUMBER: 1996:369931 BIOSIS

DOCUMENT NUMBER: PREV199699092287

TITLE: Biochemical and cellular effects of heparin-protamine injection in rabbits are partially inhibited by a PAF-acether receptor antagonist.

AUTHOR(S): Aissa, Jamal (1); Nathan, Nathalie; Arnoux, Bernard; Benveniste, Jacques

CORPORATE SOURCE: (1) INSERM U 200, 32 Rue des Carnets, 92140 Clamart France

SOURCE: European Journal of Pharmacology, (1996) Vol. 302, No. 1-3,

pp. 123-128.

ISSN: 0014-2999.

DOCUMENT TYPE: Article

LANGUAGE: English

AB The origin of the thrombocytopenia and leucopenia induced by protamine-heparin complexes is unknown. We studied the biochemical and cellular effects of protamine (6 mg times kg⁻¹, i.v.) injected after heparin (5 mg X kg⁻¹, i.v.) in New Zealand rabbits. After protamine injection (0.5 min) increases in blood platelet-activating factor (PAF-acether, PAF) (27.6 +- 27.6 to 148.2 +- 48.9 pg X ml⁻¹, P lt 0.05), thrombocytopenia (403 +- 64 to 166 +- 13 cells X 10⁻³ X mm⁻³ X mm⁻³, P lt 0.05) and leucopenia (7650 +- 930 to 4300 +- 668 cells X mm⁻³, P lt 0.05) were noted. Plasma thromboxane B-2 increased at 1 min (125.6 +- 24.4 to 879.7 +- 14 1.0 pg X ml⁻¹, P lt 0.01). Protamine alone induced no change.

Indomethacin (3 mg X kg⁻¹, i.v.) did not counteract the effects of heparin-protamine. Pretreatment with the PAF receptor antagonist BN 52021 (1981, 7a-(epoxymethano)-1H,6aH-cyclopenta[b]furo[2,3-b]furo-

[3',2',3,4]cyclopenta[1,2-d]furan-6,9,12-(4H)trione,3-tert-butylhexahydro-4,7b,11-hydroxy-8-methyl) alone (3 mg X kg⁻¹, i.v.) delayed thrombocytopenia and reduced plasma thromboxane B-2 concentration but did not modify leucopenia. Thus thrombocytopenia and thromboxane B-2 release triggered by heparin-protamine may be partially inhibited by the release of PAF.

L3 ANSWER 3 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS

ACCESSION NUMBER: 1996:369931 BIOSIS

DOCUMENT NUMBER: PREV199699676621
 TITLE: Modulation of human neutrophil activation by 'electronic' phorbol myristate acetate (PMA).
 AUTHOR(S): Thomas, Vol One 1 ; Litine, Hedi; **Benveniste, Jacques**
 CORPORATE SOURCE: (1) CNRS URA 1443, 8100, Compiègne France
 JOURNAL: FASEB Journal, 1996 Vol. 10, No. 1, pp. A1478.
 MEETING INFO.: Joint Meeting of the American Society for Biochemistry and Molecular Biology, the American Society for Investigative Pathology and the American Association of Immunologists New Orleans, Louisiana, USA June 2-6, 1996
 ISSN: 0892-6639.
 DOCUMENT TYPE: Conference
 LANGUAGE: English

L2 ANSWER 4 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1996:104486 BIOSIS
 DOCUMENT NUMBER: PREV199699676621
 TITLE: Intraluminal excretion of PAF, LysoPAF, and acetylhydrolase
 in patients with ulcerative colitis.
 AUTHOR(S): Guimbaud, Rosine; Izro, Angelo; Martinolle, Jean Pierre; Vidon, Nicole; Couturier, Daniel; **Benveniste, Jacques**; Chaussade, Stanislas (1)
 CORPORATE SOURCE: (1) Service d'Hepato-gastroenterologie, Hopital Cochin, 27 rue du Faubourg Saint-Jacques, 75014 Paris France
 SOURCE: Digestive Diseases and Sciences, (1995) Vol. 40, No. 12, pp. 2635-2640.
 ISSN: 0163-2116.
 DOCUMENT TYPE: Article
 LANGUAGE: English

AB PAF-acether (PAF) is a phospholipid synthesized by numerous inflammatory cells. PAF can produce several pathological changes in various organs, especially in the colon. In animals PAF causes colonic ulceration and inflammation, which are similar to the anatomic lesions seen in human ulcerative colitis. The aim of this study was to measure in vivo colonic production of PAF in active ulcerative colitis using a modified colonic perfusion method. Ten patients with active ulcerative colitis and six control patients were investigated. A colonic segment was continuously perfused with a buffer and the liquid was recovered 20 cm distally, after a 45-min period of equilibration, at 20-min intervals. PAF, lysoPAF, and acetylhydrolase were measured in the colonic samples. PAF and lysoPAF outputs were significantly higher in patients with active ulcerative colitis compared to controls patients. There was a significant correlation between colonic PAF output and, respectively, macroscopic mucosal lesions and myeloperoxidase colonic output. We thus conclude: (1) the colonic perfusion method allows in vivo study of the metabolism of PAF during ulcerative colitis and could also be used to study the efficiency of PAF antagonists in UC; and (2) colonic production of PAF is increased during ulcerative colitis and correlated to local injury and inflammation. Whether or not PAF plays a role in the pathogenesis of ulcerative colitis remains open for further investigations.

L2 ANSWER 5 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1996:104486 BIOSIS
 DOCUMENT NUMBER: PREV199699676621
 TITLE: Human epithelial cells and platelets: Specific binding of platelet-activating factor and cytosolic calcium flux.

AUTHOR(S): North, Ruth-Maria (1); Hirafuji, Masahiko; Benveniste, Jacques; Russo-Marie, Francis

CORPORATE SOURCE: 1. Forschung Allgemeinmed. FIDA, Palestrinastr. 7A, D-80689 Munich Germany

SOURCE: Biochemical Pharmacology, (1995) Vol. 49, No. 12, pp. 1731-1739.
ISSN: 0167-4921.

DOCUMENT TYPE: Article

LANGUAGE: English

AB An interaction of the platelet-activating factor (Paf) with endothelial cells was investigated using human umbilical vein endothelial cells. Confluent endothelial cells bound ^3H -Paf in the presence of 0.25% fatty acid-free serum albumin after culture in media containing either heat-inactivated foetal calf serum or serum substitute. The Scatchard analysis of the saturated specific ^3H -Paf binding showed a B-max of 2.5 fmol indicating 2800 binding sites per endothelial cell. ^3H -Paf binding was partially reversible at 20 degree and 4 degree and endothelial cells partially metabolized ^3H -Paf at 20 degree but not at 4 degree. ^3H -Paf binding and Paf-mediated increase of cytosolic free calcium were

inhibited

by specific Paf receptor antagonists which do not interfere with Paf metabolism. Immortalized umbilical vein endothelial cells bound ^3H -Paf specifically after culture in the presence of insulin (20 hr, 0.4 U/mL) with non-specific binding in the absence of insulin. The results show that

specific Paf binding mediated calcium flux in human endothelial cells.

L2 ANSWER 6 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS

ACCESSION NUMBER: 1995:345919 BIOSIS

DOCUMENT NUMBER: PREV199598360219

TITLE: Voltage-dependent ion channels in human basophils: Do they exist.

AUTHOR(S): Beauvais, Francis (1); Burtin, Claude; Benveniste, Jacques

CORPORATE SOURCE: (1) INSERM U312, Salle de Malte, Hop. Saint-Louis, 1 Ave. Claude Vellefaux, 75010 Paris France

SOURCE: Immunology Letters, (1995) Vol. 46, No. 1-2, pp. 81-83.
ISSN: 0165-2478.

DOCUMENT TYPE: Article

LANGUAGE: English

AB The presence of voltage-dependent ion channels (particularly Ca^{2+} channels) on the surface of 'non excitable' cells such as human basophils is a matter of debate. Indeed, in basophils, Ca^{2+} entry or mobilization is not sufficient by itself to trigger secretion, although enhanced cytosolic Ca^{2+} concentration increases it. In order to address this question, we used a two-signal model and we report here experiments which suggest the presence of voltage-dependent structures directly or indirectly linked to membrane Ca^{2+} pathways. Indeed, it is known that,

in

the presence of PMA at threshold concentration (1st signal), elevation of cytosolic Ca^{2+} (2nd signal) induces histamine release. We observed that

a

depolarizing external solution (high K^+) induced a Ca^{2+} -dependent release

of histamine from PMA-treated human basophils. High K^+ alone did not induce histamine release. Although the voltage-sensitive component and

the

physiological relevance of this mechanism remain to be defined, these results suggest that this voltage-dependent Ca^{2+} influx in the human basophil could contribute to the up-regulation of histamine release.

L1 ANSWER 7 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1998:133.31 BIOSIS
 DOCUMENT NUMBER: PREV199894017391
 TITLE: Direct transmission to cells of a molecular signal
 phorbol
 myristate acetate, FMA via an electronic device.
 AUTHOR(S): Thomas, Yvonne (1); Schmitt, Michel; Litime, M. Hedi (1);
 Belkadi, Laurent (1); **Benveniste, Jacques (1)**
 CORPORATE SOURCE: (1) INSERM U 200, 31 rue des Carnets, 92140 Clamart France
 SOURCE: FASEB Journal, (1998) Vol. 9, No. 3, pp. A227.
 Meeting Info.: Experimental Biology 98, Part 1 Atlanta,
 Georgia, USA April 9-13, 1998
 ISSN: 0892-6638.
 DOCUMENT TYPE: Conference
 LANGUAGE: English

L2 ANSWER 8 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1998:3849 BIOSIS
 DOCUMENT NUMBER: PREV199898018149
 TITLE: Correlations between Paf-acether (PAF) and tumor necrosis
 factor (TNF) in active rheumatoid arthritis (RA).
 AUTHOR(S): Hilliquin, Pascal (1); Arnoux, Bernard; **Benveniste,**
Jacques; Menkes, Charles-Joel (1)
 CORPORATE SOURCE: (1) Serv. Rhumatol. A, Hop. Cochin, Paris 2 France
 SOURCE: Arthritis & Rheumatism, (1994) Vol. 37, No. 9 SUPPL., pp.
 S193.
 Meeting Info.: 58th National Scientific Meeting of the
 American College of Rheumatology and the 29th National
 Scientific Meeting of the Association of Rheumatology
 Health Professionals Minneapolis, Minnesota, USA October
 23-27, 1994
 ISSN: 0004-3591.
 DOCUMENT TYPE: Conference
 LANGUAGE: English

L2 ANSWER 9 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1994:279112 BIOSIS
 DOCUMENT NUMBER: PREV199497292112
 TITLE: Modulation of stress proteins by Cd-2+ in a human T cell
 line.
 AUTHOR(S): Pellegrini, Olivier; Davenas, Elisabeth; Morin, Laurence;
 Tsangaris, George T.; **Benveniste, Jacques;**
 Manlal, Yves; Thomas, Yvonne (1)
 CORPORATE SOURCE: (1) Inst. Natl. Sante Recherche Med. U200, 32 rue Carnets,
 92140 Clamart France
 SOURCE: European Journal of Pharmacology Environmental Toxicology
 and Pharmacology Section, (1994) Vol. 3, No. 2-3, pp.
 221-228.
 ISSN: 0926-6917.
 DOCUMENT TYPE: Article
 LANGUAGE: English

AB We previously showed in a human T cell line (CEM-C12 cells) that Cd-2+
 induced gene expression of stress proteins, metallothionein-II-A and heat
 shock protein 70 in a time- and dose-dependent manner. In the present
 study, CEM-C12 cells were pretreated for 24 h with 1 mu-M Cd-2+ and then
 challenged with toxic concentrations of this metal. We found that maximal
 expression of the metallothionein-II-A and heat shock protein 70 genes

was
 increased and this maximal level occurred at higher Cd-2+ toxic
 concentrations. Actinomycin D, these experiments indicated that Cd-2+
 pretreatment did not affect metallothionein-II-A mRNA stability. The

modulatory effect of Cd-2+ pretreatment was dose-dependent from 100 pM to 1 µM. Such pretreatment also enhanced resistance to Cd-2+ toxicity. Finally, verapamil, a calcium/potassium channel blocker displaced the dose-response curve for Cd-2+ toxicity as well as metallothionein-II-A and heat shock protein 70 gene expression to higher Cd-2+ concentrations.

12 ANSWER 12 OF 15 BIOSIS COPYRIGHT 1994 BIOSIS

ACCESSION NUMBER: 1994:279022 BIOSIS
DOCUMENT NUMBER: PREV199497292022
TITLE: Cadmium induces apoptosis in a human T cell line.
AUTHOR(S): El Azzouzi, Bouchra; Tsangaris, George T.; Pellegrini, Olivier; Manuel, Yves; Benveniste, Jacques; Thomas, Yolene
CORPORATE SOURCE: (1) Inst. National Sante, Recherche Med., Unite 200, 32 rue Carnets, 92140 Clamart France
SOURCE: Toxicology, (1994) Vol. 88, No. 1-3, pp. 127-139. ISSN: 0300-483X.
DOCUMENT TYPE: Article
LANGUAGE: English

AB Cadmium, a potent toxic metal, poses a serious environmental threat but the mechanisms of its toxicity remain unclear. In the present study, we investigated the nature of cadmium-induced cell death in the human T cell line CEM-C12. Cadmium was time- and dose-dependently toxic for CEM-C12 cells, cell death being preceded by chromatin condensation and DNA fragmentation. Quantification of the latter indicated an increase above 4 µM cadmium, with maximal fragmentation at 8 to 10 µM. By contrast, when CEM-C12 cells were exposed to higher cadmium concentrations (30 µM), cell death increased without concomitant chromatin condensation or DNA fragmentation. Thus, cadmium at low and high concentration kills CEM-C12 cells by apoptosis and necrosis, respectively. Addition of cycloheximide reduced the apoptotic effect of cadmium, suggesting that cadmium-induced apoptosis is an process depending on protein synthesis. Verapamil, a calcium/potassium channel blocker, markedly increased the viability of CEM-C12 cells treated by low cadmium concentrations and prevented DNA fragmentation. The apoptotic effect of cadmium suggests a possible mechanism for lymphocyte damage occurring after in vivo exposure to cadmium.

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E8	2	GUILLONNET CHRISTIANE/AU
E9	1	GUILLONNET M/AU
E10	1	GUILLONNET RONDEAU CHRISTIANE/AU
E11	2	GUILLORY B M/AU
E12	1	GUILLORY B G/AU
E13	3	GUILLORY BOFFY/AU
E14	4	GUILLORY C/AU
E15	1	GUILLORY CHARLETA/AU
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L1 ANSWER 1 OF 4 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1999:017497 BIOSIS
 DOCUMENT NUMBER: PREV199900277497
 TITLE: Remote detection of bacteria using an
 electromagnetic/digital procedure.
 AUTHOR(S): Benveniste, J. (1); Kakhak, L. (1); **Guillonnet, D.**
 (1)
 CORPORATE SOURCE: (1) Digital Biology Laboratory, Clamart France
 SOURCE: FASEB Journal, (March 15, 1999) Vol. 13, No. 5 PART 2, pp.
 A852.
 Meeting Info.: Annual Meeting of the Professional Research
 Scientists on Experimental Biology 99 Washington, D.C.,
 USA
 April 17-21, 1999 Federation of American Societies for
 Experimental Biology
 . ISSN: 0892-6638.
 DOCUMENT TYPE: Conference
 LANGUAGE: English

L1 ANSWER 2 OF 4 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1999:171514 BIOSIS
 DOCUMENT NUMBER: PREV199900171514
 TITLE: The molecular signal is not functional in the absence of
 "informed" water.
 AUTHOR(S): Benveniste, J.; Aissa, J.; **Guillonnet, D.**
 CORPORATE SOURCE: D.B.L., Clamart France
 SOURCE: FASEB Journal, (March 12, 1999) Vol. 13, No. 4 PART 1, pp.
 A163.
 Meeting Info.: Annual Meeting of the Professional Research
 Scientists for Experimental Biology 99 Washington, D.C.,
 USA April 17-21, 1999
 ISSN: 0892-6638.
 DOCUMENT TYPE: Conference
 LANGUAGE: English

L3 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1999:166407 BIOSIS
 DOCUMENT NUMBER: PREV199900166407
 TITLE: A simple and fast method for in vivo demonstration of
 electromagnetic molecular signaling (EMS) via high
 resolution
 or computer recording.
 AUTHOR(S): Benveniste, J.; Aissa, J.; **Guillonnet, D.**
 CORPORATE SOURCE: Digital Biology Lab., 92130 Clamart France
 SOURCE: FASEB Journal, (March 12, 1999) Vol. 13, No. 4 PART 1, pp.
 A163.

Meeting Info.: Annual Meeting of the Professional Research
 Scientists for Experimental Biology 98 Washington, D.C.,
 USA April 17-21, 1998
 ISSN: 0892-6638.

DOCUMENT TYPE: Conference
 LANGUAGE: English

13 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1998:200768 BIOSIS
 DOCUMENT NUMBER: PREV199800011768
 TITLE: Digital biology: Specificity of the digitized molecular
 signal.
 AUTHOR(S): Benveniste, J.; Aissa, J.; Guillonnet, D.
 CORPORATE SOURCE: Digital Biol. Lab., 32 rue des Carnets, 92140 Clamart
 France
 SOURCE: FASEB Journal, (March 17, 1998) Vol. 12, No. 4, pp. A412.
 Meeting Info.: ANNUAL Meeting of the Professional Research
 Scientists on Experimental Biology 98, Part 1 San
 Francisco, California, USA April 18-22, 1998 Federation of
 American Societies for Experimental Biology
 . ISSN: 0892-6638.

DOCUMENT TYPE: Conference
 LANGUAGE: English

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